

ABSTRACT

5 A coating composition includes 1.5 to 4 weight  
percent of a film-forming acrylic resin having an average  
molecular weight of from about 235,000 to about 285,000;  
10 4 to 8 weight percent of a film-forming acrylic resin  
having an average molecular weight of from about 175,000  
to about 225,000; 1 to 3 weight percent of solid caustic;  
and 75 to 85 weight percent water. The film-forming  
acrylic resins may be copolymers of alpha-beta  
15 ethylenically unsaturated carboxylic acid monomers and  
ethylenically unsaturated esters. A dried coating of the  
composition is water-soluble. A method for making the  
coating composition includes heating water from about 140  
to about 200°F; admixing to the heated water the solid  
20 caustic; admixing to the heated water the first and  
second film-forming acrylic resins; mixing the acrylic  
resin/caustic/water mixture until the acrylic resins are  
dissolved in the water; and admixing additional water  
into the acrylic resin/caustic/water mixture in an amount  
so that the total water in the composition is from about  
75 to about 85 weight percent. The composition may be  
applied to any article, such as an automobile body having  
partially-set paint thereon to protect the paint from  
scratching.